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Title: CARDIAC RHYTHM MANAGEMENT SYSTEM WITH EXERCISE TEST INTERFACE

## IN THE CLAIMS

Please amend the claims as follows:

- 1-37. (Canceled)
- 38. (Currently Amended) A system comprising:

a processor circuit, including at least one predetermined criteria to automatically identify from physiological data obtained from a patient a beginning and an end of an exercise episode of [[al]] the patient, and including a data input circuit to receive data associated with the episode;

a memory storage circuit, coupled to the data input circuit to store the data; and an external display, including a displayed summary of the episode, the summary including at least one displayed prognostic indicator obtained automatically extracted from the data associated with the episode.

- 39. (Original) The system of claim 38, in which the episode includes an exercise period and a post-exercise recovery period.
- 40. (Original) The system of claim 38, in which the data input circuit receives heart rate data, and in which the at least one predetermined criteria includes at least one heart rate threshold that defines the episode for heart rates substantially continuously exceeding the at least one heart rate threshold.
- 41. (Original) The system of claim 38, in which the data input circuit receives activity sensor data, and in which the at least one predetermined criteria includes at least one activity sensor threshold that defines the episode for activity sensor levels that substantially continuously exceed the activity sensor threshold.

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- 42. (Original) The system of claim 38, in which the processor includes a user-input circuit to receive at least one user-provided trigger identifying the episode.
- 43. (Original) The system of claim 38, in which the at least one displayed prognostic indicator includes an indication of how many ectopic beats occurred during the episode.
- 44. (Original) The system of claim 38, in which the at least one displayed prognostic indicator includes an indication of how many ectopic beats occurred during an exercise portion of the episode.
- 45. (Original) The system of claim 38, in which the at least one displayed prognostic indicator includes an indication of how many ectopic beats occurred during a post-exercise recovery portion of the episode.
- 46. (Original) The system of claim 38, in which the at least one displayed prognostic indicator includes an indication of how many sequential runs of ectopic beats occurred during the episode.
- 47. (Original) The system of claim 38, in which the at least one displayed prognostic indicator includes an indication of how many sequential runs of ectopic beats occurred during an exercise portion of the episode.
- 48. (Original) The system of claim 38, in which the at least one displayed prognostic indicator includes an indication of how many sequential runs of ectopic beats occurred during a postexercise recovery portion of the episode.
- 49. (Original) The system of claim 38, in which the at least one displayed prognostic indicator includes an indication of a rate of decrease of the patient's heart rate during a post-exercise recovery portion of the episode.

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50. (Original) The system of claim 38, in which the at least one displayed prognostic indicator includes an indication of a maximum heart rate obtained by the patient during the episode.

- 51. (Original) The system of claim 50, in which the at least one displayed prognostic indicator includes an indication of an age-predicted maximum heart rate for the patient for comparison to the indication of the maximum heart rate obtained by the patient during the episode.
- 52. (Original) The system of claim 51, in which the at least one displayed prognostic indicator includes an indication of a comparison between the maximum heart rate obtained by the patient during the episode and the indication of the age-predicted maximum heart rate for the patient.
- 53. (Original) The system of claim 38, in which the at least one displayed prognostic indicator includes a resting heart rate associated with the episode.
- 54. (Original) The system of claim 38, in which the at least one prognostic indicator indicates an elevated value of the resting heart rate.
- 55. (Original) The system of claim 38, in which the at least one prognostic indicator includes an indication of heart rate variability associated with the episode.
- 56. (Original) The system of claim 38, in which the at least one prognostic indicator indicates a low heart rate variability.
- 57. (Original) The system of claim 55, in which the at least one prognostic indicator includes an indication of T-wave alternans associated with the episode.
- 58. (Original) The system of claim 38, in which the at least one prognostic indicator includes an indication of a heart rate corresponding to an onset of a T-wave alternans associated with the episode.

- 59. (Original) The system of claim 38, in which the at least one prognostic indicator includes an indication of heart rate turbulence associated with the episode.
- 60. (Original) The system of claim 38, in which the at least one prognostic indicator includes an indication of QT dispersion associated with the episode.
- 61. (Original) The system of claim 38, in which the at least one prognostic indicator includes an indication of paroxysmal atrial tachyarrhythmia associated with the episode.
- 62. (Original) The system of claim 38, in which the displayed summary includes a displayed graph of heart rate vs. time during at least a portion of the episode.
- 63. (Original) The system of claim 62, in which the graph includes an ectopic beat indicator associated with each ectopic beat occurring during the episode.
- 64. (Original) The system of claim 62, in which the graph includes an indication of the agepredicted maximum heart rate for the patient.
- 65. (Original) The system of claim 62, in which the graph includes a first indicator of at least one exercise period during the episode.
- 66. (Original) The system of claim 65, in which the graph further includes a second indicator of at least one post-exercise refractory period during the episode.
- 67. (Original) The system of claim 66, in which the first and second indicators include different background colors.
- 68. (Original) The system of claim 38, in which the summary includes a displayed graph of patient activity vs. time during the episode.

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episode.

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- 69. (Original) The system of claim 38, in which the summary includes a displayed heart electrical activity signal associated with the episode.
- 70. (Original) The system of claim 38, in which the processor is located in an implantable device.
- 71. (Original) The system of claim 38, in which the processor is located in an external device.
- 72. (Currently Amended) A system comprising:
- a processor circuit, including at least one predetermined criteria to automatically identify from physiological data obtained from a patient a beginning and an end of an exercise episode of [[a]] the patient, and including a data input circuit to receive data associated with the episode; a memory storage circuit, coupled to the data input circuit to store the data; and means for displaying a summary of the episode, including displaying at least one displayed prognostic indicator obtained automatically extracted from the data associated with the
- 73. (Original) The system of claim 72, in which the episode includes an exercise period and a post-exercise recovery period.
- 74. (Original) The system of claim 72, in which the data input circuit receives heart rate data, and in which the at least one predetermined criteria includes at least one heart rate threshold that defines the episode for heart rates substantially continuously exceeding the at least one heart rate threshold.
- 75. (Original) The system of claim 72, in which the data input circuit receives activity sensor data, and in which the at least one predetermined criteria includes at least one activity sensor threshold that defines the episode for activity sensor levels that substantially continuously exceed the activity sensor threshold.

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- 76. (Original) The system of claim 72, in which the processor includes a user-input circuit to receive at least one user-provided trigger identifying the episode.
- 77. (Original) The system of claim 72, in which the at least one displayed prognostic indicator includes an indication of how many ectopic beats occurred during the episode.
- 78. (Original) The system of claim 72, in which the at least one displayed prognostic indicator includes an indication of how many ectopic beats occurred during an exercise portion of the episode.
- 79. (Original) The system of claim 72, in which the at least one displayed prognostic indicator includes an indication of how many ectopic beats occurred during a post-exercise recovery portion of the episode.
- 80. (Original) The system of claim 72, in which the at least one displayed prognostic indicator includes an indication of a rate of decrease of the patient's heart rate during a post-exercise recovery portion of the episode.